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May 2005

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Programming in parallel is an error-prone and complex task compounded by programming and debugging. Recent advances in compiler-directed shared made shared-memory parallelism more widely ...

Keywords: data flow, parallel, visual language2 [Towards a better visual programming language: critiquing Prograph's cc](#) [R. Mark Meyer](#), [Tim Masterson](#)April 2000 **CCSC '00:** Proceedings of the fifth annual CCSC northeastern college small colleges**Publisher:** Consortium for Computing Sciences in CollegesFull text available: [Pdf](#) (85.73 KB)**Bibliometrics:** Downloads (6 Weeks): , Downloads (12 Months): 25, Download

Also published in:

May 2000 **Journal of Computing Sciences in Colleges** Volume 15 Issue 53 [Linked active content: a service for digital libraries for education](#) [David Yaron](#), [D. Jeff Milton](#), [Rebecca Freeland](#)

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A service is described to help enable digital libraries for education, such as spaces for the creation, modification and use of active learning experiences those activities ...

Keywords: active learning, education, web authoring


4 [A graphical interface for real-time signal routing](#)

[Jean-Marc Pelletier](#)

May 2005

NIME '05: Proceedings of the 2005 conference on New inter

Publisher: National University of Singapore

Full text available:  [Pdf](#) (260.25 KB)

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This paper describes DspMap, a graphical user interface (GUI) designed to . generators and modifiers currently being developed at the International Ac of relying on traditional ...

Keywords: dynamic--routing, graphical user--interface, map, real-time pe


5 [TiViPE " Tino's Visual Programming Environment](#)

[Tino Lourens](#)

September 2004

COMPSAC '04: Proceedings of the 28th Annual Internati Applications Conference - Volume 01 , Volume 01

Publisher: IEEE Computer Society

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TiViPE [4] is a component based visual programming environment (VPE) th construction of a network of components interactively. A single module (cor icon, is a computational unit. ...


6 [Feature extraction in digital mammography using LabVIEW](#)

[Mihaela Lascu, Dan Lascu](#)

November 2005

CONTROL'05: Proceedings of the 2005 WSEAS international c control


Publisher: World Scientific and Engineering Academy and Society (WSEAS)

Full text available:  [Publisher Site](#)


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This paper presents some characteristics of mammography images since th micro calcification detection implemented in LabVIEW (Laboratory Virtual Ir LabVIEW is a graphical programming ...

Keywords: LabVIEW, compression, digital database for screening mammo mammograms, micro calcification detection, noise removal, non-linear enh:

- 7 [An analysis of a large scale habitat monitoring application](#)
 Robert Szewczyk, Alan Mainwaring, Joseph Polastre, John Anderson, David Cull
 November 2004 **SenSys '04**: Proceedings of the 2nd international conference on sensor systems


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Habitat and environmental monitoring is a driving application for wireless sensor networks. The collection of data from a second generation sensor networks deployed during the summer month deployment, these networks, ...

Keywords: application analysis, habitat monitoring, implementation, long-term network architecture, sensor networks

- 8 [VXT: a visual approach to XML transformations](#)
 Emmanuel Pietriga, Jean-Yves Vion-Dury, Vincent Quint
 November 2001 **DocEng '01**: Proceedings of the 2001 ACM Symposium on Document Engineering


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The domain of XML transformations is becoming more and more important for applications adopting XML as their format for data exchange or representation. This paper describes a visual approach to expressing XML transformations ...

Keywords: XML transformations, XSLT, visual programming languages

- 9 [XML visualization using tree rewriting](#)
 Josef Jelinek, P. Slavik
 April 2004 **SCCG '04**: Proceedings of the 20th spring conference on Computer Graphics


Publisher: ACM

Full text available:  [PDF](#) (321.61 KB)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Downloads

In many applications complex structured data have been used. Visualization can help to get better insight both in the data structure and in the application itself. This paper describes a structured data-oriented visualization ...

Keywords: XML visualization, tree rewriting, visual programming

- 10 [The impact of software engineering research on modern programming languages](#)
 Barbara G. Ryder, Mary Lou Soffa, Margaret Burnett
 October 2005 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (3.18 MB)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 247, Downloads

Software engineering research and programming language design have enj traceable impacts since the 1970s, when these areas were first distinguish documents this relationship by ...

Keywords: Programming Languages, Software Engineering

11 [Rockwell automation agents for manufacturing](#)

[Vladimír Mařík](#), [Pavel Vrba](#), [Ken H. Hall](#), [Francisco P. Maturana](#)



July 2005

AAMAS '05: Proceedings of the fourth international joint confere multiagent systems

Publisher: ACM

Full text available: Pdf (691.37 KB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 38, Downloa

The paper provides an overview of the agent-based solutions developed by the purposes of industrial control. Using agent-based manufacturing contro reconfigurability of manufacturing ...

Keywords: PLC, manufacturing, material-handling, multi-agent systems, r

12 [A recent radical graphical approach to programming](#)

[Alfred L. McKinney](#)

June 2003

Journal of Computing Sciences in Colleges, Volume 18 Is

Publisher: Consortium for Computing Sciences in Colleges

Full text available: Pdf (44.13 KB)

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This paper provides a very brief overview of the history of graphical approa description is given of SoftWIRE, a recent radical graphical approach to pro SoftWIRE utilizes Visual ...

13 [Resources for using lego mindstorms](#)

[Holly Patterson-McNeill](#), [Carol L. Binkerd](#)

April 2001

Proceedings of the seventh annual consortium for computing in s on The Journal of computing in small colleges

Publisher: Consortium for Computing Sciences in Colleges

Full text available: Pdf (69.16 KB)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 67, Downloa

LEGO® Mindstorms™ Robotic Invention System (RIS)™ is a programmable describes the basic features of the RIS. It supplies the reader with URL's (U community ...

Keywords: LEGO, RCX, mindstorms, programming, robotics

Also published in:

April 2001 Proceedings of the twelfth annual CCSC South Central conference on The journal of com
March 2001 **Journal of Computing Sciences in Colleges**

14 Advances in dataflow programming languages

Wesley M. Johnston, J. R. Paul Hanna, Richard J. Miliar



March 2004

Computing Surveys (CSUR) , Volume 36 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (835.52 KB)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 446, Downl

Many developments have taken place within dataflow programming languag
there has been a great deal of activity and advancement in the field of data
motivation for this article ...

Keywords: Dataflow, co-ordination languages, component software, data f
programming, multithreading, software engineering

15 Cognitive Factors in Programming with Diagrams

Alan F. Blackwell, Kirsten N. Whitley, Judith Good, Marian Petre

March 2001

Artificial Intelligence Review , Volume 15 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available: [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Down

Visual programming languages aim to broaden the use of diagrams within t
they are integrated into the programming language itself. As a result, they
benefits of ...

Keywords: diagrammatic reasoning, diagrams, psychology of programmin

16 Functional declarative language design and predicate calculus: a practic



[Raymond Boute](#)

September 2005

Transactions on Programming Languages and

Publisher: ACM[Request Permissions](#)Full text available: [Pdf](#) (430.46 KB)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 41, Download

In programming language and software engineering, the main mathematical logic. Yet, as elsewhere in applied mathematics, it is used mostly far below formulation as just ...

Keywords: Analysis, Leibniz's principle, binary algebra, calculational reasoning, elastic operators, function equality, functional predicate calculus, generic functional programming languages, quantifiers, recursion, software engineering, summation

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